WHAT IS CLAIMED IS:

1. A sealing system for a rotating machine having a stationary element and a drive element rotationally connected to said stationary element, the sealing system comprising:

a plate comprising a bearing surface, the plate being connected to one of said drive element and said stationary element; and

a sealing assembly comprising a resilient bellows and a bearing surface, the bellows providing a force which causes the bearing surface of the sealing assembly to bear on the bearing surface of the plate to form a dynamic seal.

2. The sealing system of claim 1, wherein the sealing assembly further comprises a thrust plate attached to the resilient bellows, and wherein the thrust plate provides said bearing surface of the sealing assembly.

3. The sealing system of claim 2, wherein the resilient bellows comprises a collar to which the thrust plate is attached.

4. The sealing system of claim 3, wherein the sealing assembly further comprises a static sealing element, the static sealing element being disposed within

a gap provided between the collar and the thrust plate.

5. The sealing system of claim 1, further comprising a mounting element which connects said plate to said one of said drive and stationary elements.

6. The sealing system of claim 1, wherein the resilient bellows comprises at least one corruption.

7. The sealing system of claim 1, wherein at least one of said plate and said thrust plate comprises graphite which provides a sealing and lubricating layer to the dynamic seal.

8. The sealing system of claim 1, further including a driven element operatively associated with said drive element.

9. The sealing system of claim 8, wherein the driven element comprises an impeller.

10. The sealing system of claim 8, wherein the driven element comprises a propeller.

11. The sealing system of claim 8, wherein the driven element comprises a mixing bar.

12. The sealing system of claim 1, further

comprising a seal chamber which at least partially encloses said sealing assembly.

13. The sealing system of claim 12, wherein the seal chamber is defined by the stationary element.

14. The sealing system of claim 12, further comprising a seal gland which closes an area of the seal chamber.

15. A sealing system for a rotating machine having a stationary element and a drive element rotationally connected to said stationary element, the sealing system comprising:

a drive plate comprising a bearing surface, the first plate being rigidly connected to said drive element;

a stationary plate comprising a bearing surface, the second plate being rigidly connected to said stationary element; and

a sealing assembly comprising a resilient bellows, a first bearing surface and a second bearing surface, the bellows providing a force which causes the first bearing surface of the sealing assembly to bear on the bearing surface of the drive plate forming a first dynamic seal and causes the second bearing surface of the sealing assembly to bear on the bearing surface of the stationary plate forming a second dynamic seal.

16. A sealing system for a rotating machine having a stationary element and a drive element rotationally connected to said stationary element, the sealing system comprising:

a drive plate comprising graphite and a bearing surface, the drive plate being rigidly connected to said drive element

a stationary plate comprising graphite and a bearing surface, the stationary plate being rigidly connected to said stationary element;

a sealing assembly comprising a resilient corrugated bellows providing a force and having first and second collars, a first thrust plate attached to the first collar and providing a first bearing surface, and a second thrust plate attached to the second collar and providing a second bearing surface;

a first static sealing element, the first static sealing element being disposed within a first gap provided between the first collar and the first thrust plate;

a second static sealing element, the second static sealing element being disposed within a second gap provided between the second collar and the second thrust plate;

a drive plate mounting element which connects the drive plate to the drive element; and

a stationary plate mounting element which connects

the stationary plate to the stationary element;

wherein the first and second thrust plates further comprise graphite, and wherein the force of the bellows causes the first bearing surface of the sealing assembly to bear on the bearing surface of the drive plate forming a first dynamic seal comprising a first sealing and lubricating graphite layer, and the force of the bellows causes the second bearing surface of the sealing assembly to bear on the bearing surface of the stationary plate forming a second dynamic seal comprising a second sealing and lubricating graphite layer.